



PATENT
Docket No.: 2283/301

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Leivan DeVeylder et al

Serial No. : 09/574,735

Conf. No. : 1507

Filed : May 18, 2000

For : CYCLIN-DEPENDENT KINASE INHIBITORS
AND USES THEREOF

Examiner:

C. Collins

Art Unit:

1638

Assistant Commissioner for Patents
Washington, D.C. 20231

STATEMENT UNDER 37 C.F.R. § 1.825(a) AND (b)

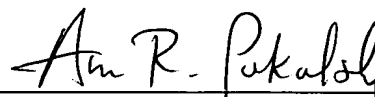
Sir:

The undersigned states that the substitute paper and computer readable form (CRF) of the Sequence Listing submitted herewith, are fully supported by the application as filed and include no new matter.

Further, the undersigned states that the information recorded in the CRF, submitted herewith, is identical to the paper copy of the Sequence Listing, also submitted herewith.

Respectfully submitted,

Dated: June 20, 2001


Ann R. Pokalsky
Registration No. 34,697


Nixon Peabody LLP
990 Stewart Avenue
Garden City, New York 11530-4838
Telephone: (516) 832-7572
Facsimile: (516) 832-7555

ARP/mm

G194941.1

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)

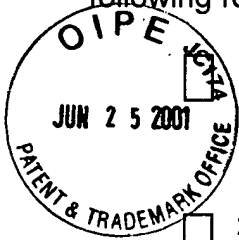
I certify that the attached correspondence is being deposited
on 6/20/01 with the U.S. Postal Service as first class mail
under 37 C.F.R. § 1.8 and addressed to:
Assistant Commissioner for Patents, Washington, D.C. 20231.


Maria L. Matos

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):



- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☒ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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#12

SEQUENCE LISTING

<110> Veylder, Lieven

Beeckman, Tom

Inzé, Dirk

Van Camp, Wim

Krols, Luc

<120> Cyclin-dependent kinase inhibitors and uses thereof

<130> 2283/301

<140> US 09/574,735

<141> 2000-05-18

<160> 48

<170> PatentIn version 3.0

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<223> Xaa at position 8 may be any amino acid

<400> 38
Met Gly Lys Tyr Xaa Xaa Lys Xaa Xaa
1 5

<210> 39
<211> 8
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> misc_feature
<223> Xaa at position 2 may be any amino acid

<400> 39
Ser Xaa Gly Val Arg Thr Arg Ala
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<210> 40
<211> 222
<212> PRT
<213> Arabidopsis thaliana

<400> 40
Met Gly Lys Tyr Met Lys Lys Ser Lys Ile Thr Gly Asp Ile Ser Val
1 5 10 15
Met Glu Val Ser Lys Ala Thr Ala Pro Ser Pro Gly Val Arg Thr Arg
20 25 30
Ala Ala Lys Thr Leu Ala Leu Lys Arg Leu Asn Ser Ser Ala Ala Asp
35 40 45
Ser Ala Leu Pro Asn Asp Ser Ser Cys Tyr Leu Gln Leu Arg Ser Arg
50 55 60

Arg	Leu	Glu	Lys	Pro	Ser	Ser	Leu	Ile	Glu	Pro	Lys	Gln	Pro	Pro	Arg
65					70					75					80
Val	His	Arg	Ser	Gly	Ile	Lys	Glu	Ser	Gly	Ser	Arg	Ser	Arg	Val	Asp
				85					90					95	
Ser	Val	Asn	Ser	Val	Pro	Val	Ala	Gln	Ser	Ser	Asn	Glu	Asp	Glu	Cys
			100					105					110		
Phe	Asp	Asn	Phe	Val	Ser	Val	Gln	Val	Ser	Cys	Gly	Glu	Asn	Ser	Leu
		115					120					125			
Gly	Phe	Glu	Ser	Arg	His	Ser	Thr	Arg	Glu	Ser	Thr	Pro	Cys	Asn	Phe
	130					135					140				
Val	Glu	Asp	Met	Glu	Ile	Met	Val	Thr	Pro	Gly	Ser	Ser	Thr	Arg	Ser
145					150					155					160
Met	Cys	Arg	Ala	Thr	Lys	Glu	Tyr	Thr	Arg	Glu	Gln	Asp	Asn	Val	Ile
				165					170					175	
Pro	Thr	Thr	Ser	Glu	Met	Glu	Glu	Phe	Phe	Ala	Tyr	Ala	Glu	Gln	Gln
			180					185					190		
Gln	Gln	Arg	Leu	Phe	Met	Glu	Lys	Tyr	Asn	Phe	Asp	Ile	Val	Asn	Asp
		195					200					205			
Ile	Pro	Leu	Ser	Gly	Arg	Tyr	Glu	Trp	Val	Gln	Val	Lys	Pro		
	210					215					220				

<210> 41
 <211> 327
 <212> PRT
 <213> Arabidopsis thaliana

<400> 41															
Met	Gly	Lys	Tyr	Ile	Arg	Lys	Ser	Lys	Ile	Asp	Gly	Ala	Gly	Ala	Gly
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Ala	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Glu	Ser	Ser	Ile	Ala
			20					25					30		
Leu	Met	Asp	Val	Val	Ser	Pro	Ser	Ser	Ser	Ser	Ser	Leu	Gly	Val	Leu
		35					40					45			
Thr	Arg	Ala	Lys	Ser	Leu	Ala	Leu	Gln	Gln	Gln	Gln	Gln	Arg	Cys	Leu
	50					55					60				
Leu	Gln	Lys	Pro	Ser	Ser	Pro	Ser	Ser	Leu	Pro	Pro	Thr	Ser	Ala	Ser
65					70					75					80
Pro	Asn	Pro	Pro	Ser	Lys	Gln	Lys	Met	Lys	Lys	Lys	Gln	Gln	Gln	Met
				85				90						95	
Asn	Asp	Cys	Gly	Ser	Tyr	Leu	Gln	Leu	Arg	Ser	Arg	Arg	Leu	Gln	Lys
			100					105					110		
Lys	Pro	Pro	Ile	Val	Val	Ile	Arg	Ser	Thr	Lys	Arg	Arg	Lys	Gln	Gln
		115					120					125			
Arg	Arg	Asn	Glu	Thr	Cys	Gly	Arg	Asn	Pro	Asn	Pro	Arg	Ser	Asn	Leu
	130					135					140				
Asp	Ser	Ile	Arg	Gly	Asp	Gly	Ser	Arg	Ser	Asp	Ser	Val	Ser	Glu	Ser
145					150					155					160
Val	Val	Phe	Gly	Lys	Asp	Lys	Asp	Leu	Ile	Ser	Glu	Ile	Asn	Lys	Asp
				165				170						175	
Pro	Thr	Phe	Gly	Gln	Asn	Phe	Phe	Asp	Leu	Glu	Glu	Glu	His	Thr	Gln
			180					185					190		
Ser	Phe	Asn	Arg	Thr	Thr	Arg	Glu	Ser	Thr	Pro	Cys	Ser	Leu	Ile	Arg
		195					200					205			
Arg	Pro	Glu	Ile	Met	Thr	Thr	Pro	Gly	Ser	Ser	Thr	Lys	Leu	Asn	Ile
	210					215					220				

Cys	Val	Ser	Glu	Ser	Asn	Gln	Arg	Glu	Asp	Ser	Leu	Ser	Arg	Ser	His
225					230					235					240
Arg	Arg	Arg	Pro	Thr	Thr	Pro	Glu	Met	Asp	Glu	Phe	Phe	Ser	Gly	Ala
				245					250					255	
Glu	Glu	Glu	Gln	Gln	Lys	Gln	Phe	Ile	Glu	Lys	Tyr	Val	Phe	Pro	Arg
			260					265					270		
Phe	Ile	Cys	Ser	Val	Leu	Leu	Val	Met	Ser	Phe	Gln	Phe	Val	Leu	Phe
		275					280					285			
Phe	Ser	Phe	Gly	Leu	Val	Ser	Leu	Met	Val	Ser	Val	Asn	Ser	Phe	Phe
	290					295					300				
Arg	Tyr	Asn	Phe	Asp	Pro	Val	Asn	Glu	Gln	Pro	Leu	Pro	Gly	Arg	Phe
305					310					315					320
Glu	Trp	Thr	Lys	Val	Asp	Asp									
				325											

<210> 42
 <211> 22
 <212> DNA
 <213> Artificial sequence: probe or primer

<400> 42
 agaccatggc ggcggttagg ag

22

<210> 43
 <211> 12
 <212> PRT
 <213> Tag·100 epitope

<400> 43
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<210> 44
 <211> 10
 <212> PRT
 <213> c-myc epitope

<400> 44
 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
 1 5 10

<210> 45
 <211> 7
 <212> PRT
 <213> FLAG-epitope

<400> 45
 Asp Tyr Lys Asp Asp Asp Lys
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<210> 46
 <211> 9

<212> PRT

<213> HA-epitope

<400> 46

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5

<210> 47

<211> 12

<212> PRT

<213> protein C epitope

<400> 47

Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys
1 5 10

<210> 48

<211> 11

<212> PRT

<213> VSV epitope

<400> 48

Tyr Thr Asp Ile Glu Met Asn Arg Leu Gly Lys
1 5 10